

THE GRASS FLORA OF COLUMBIA, MISSOURI

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DURING the spring and summer of 1933 we have spent considerable time collecting and studying the grasses in this region. The following list is presented as the result of the first year's work and should be appended to Rickett's *Flora of Columbia* (Univ. Mo. Stud. 6(1). 1931), together with a few additions made previously in *RHODORA* 35: 361–362. Reference is made below to the earlier *Columbia Flora* of Daniels (Univ. Mo. Stud. Sci. Ser. 1(2). 1907) and to Bush's revision of the grasses of the Daniels herbarium (Amer. Midl. Nat. 12: 343 ff. 1931). Names of species preceded by an asterisk (*) in the list below are reported as collected for the first time in the flora. We wish to thank Mr. B. F. Bush, Dr. W. E. Maneval, and Dr. J. A. Steyermark for their cooperation during the course of the work.

AGROSTIS STOLONIFERA L. *A. alba* of Amer. Auth. and of the *Columbia Floras*, not L. Including *A. alba* var. *vulgaris* of Daniels, Bush, and Rickett. Most of the specimens can be distinguished as var. MAJOR (Gaud.) Farwell. See Ann. Rep. Nat. Mus. Canada, Dept. Mines Bull. 50 (1926): 122. 1928.

AGROSTIS PERENNANS (Walt.) Tuckerm. Including *A. Schweinitzii* Trin. Several new stations have been found for the typical form.

ARISTIDA BASIRAMEA Engelm. On a freshly cut hillside near Rocky Fork Creek northwest of Columbia, *Drouet 967*, Aug. 16, 1933. Not Daniels' *A. basiramea*.

*ARISTIDA LONGESPICA Poir. *A. gracilis* Ell. Roadside eight miles north of Columbia, *Jeffrey 246*, Sept. 6; loess ridges on the Roby Farm south of Rocheport, *Jeffrey 253*, Sept. 8; along railroad north of Hallsville, *Jeffrey 300*, Sept. 16; Richland Road, *Jeffrey 325*, Sept. 27; Highway C near Harrisburg, *Jeffrey 331*, Sept. 22, 1933. See Contrib. U. S. Nat. Herb. 22(pt. 7): 538, 539. 1924.

*CYNODON DACTYLON (L.) Pers. Established in parkings and waste ground in Columbia, where it has escaped from lawns. One specimen is from West Broadway near East Parkway, *Jeffrey 316*, Sept. 22, 1933. First observed here by Dr. Steyermark.

ELYMUS CANADENSIS L. *E. robustus* Scribn. & J. G. Sm. The typical form and f. GLAUCIFOLIUS (Muhl.) Fernald (var. *glaucifolius* Gray) have been collected abundantly during the past year. See *RHODORA* 35: 191. 1933.

ELYMUS VIRGINICUS L. var. TYPICUS (Scribn.) Fernald and the f. HIRSUTIGLUMIS (Scribn.) Fernald (var. *hirsutiglumis* Hitchc.). Both forms are well represented in the collections of the past season. See *RHODORA* 35: 198.

ELYMUS VIRGINICUS L. var. GLABRIFLORUS (Vasey) Bush. *E. glabriflorus* Scribn. & Ball. *E. glabrifolius* of Rickett's *Flora*. Abun-